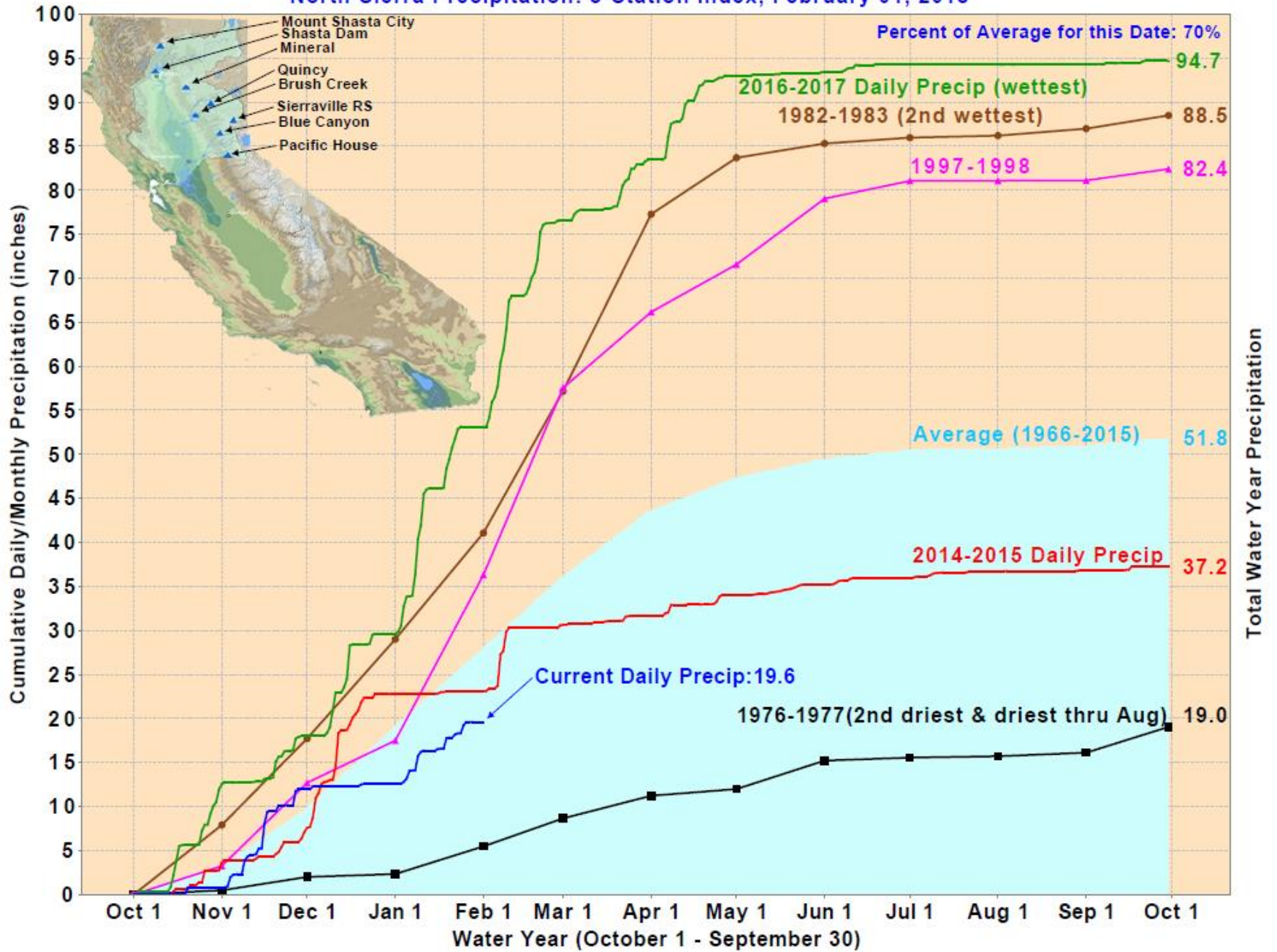


HYDROLOGY UPDATE FOR THE BAY-DELTA WATERSHED

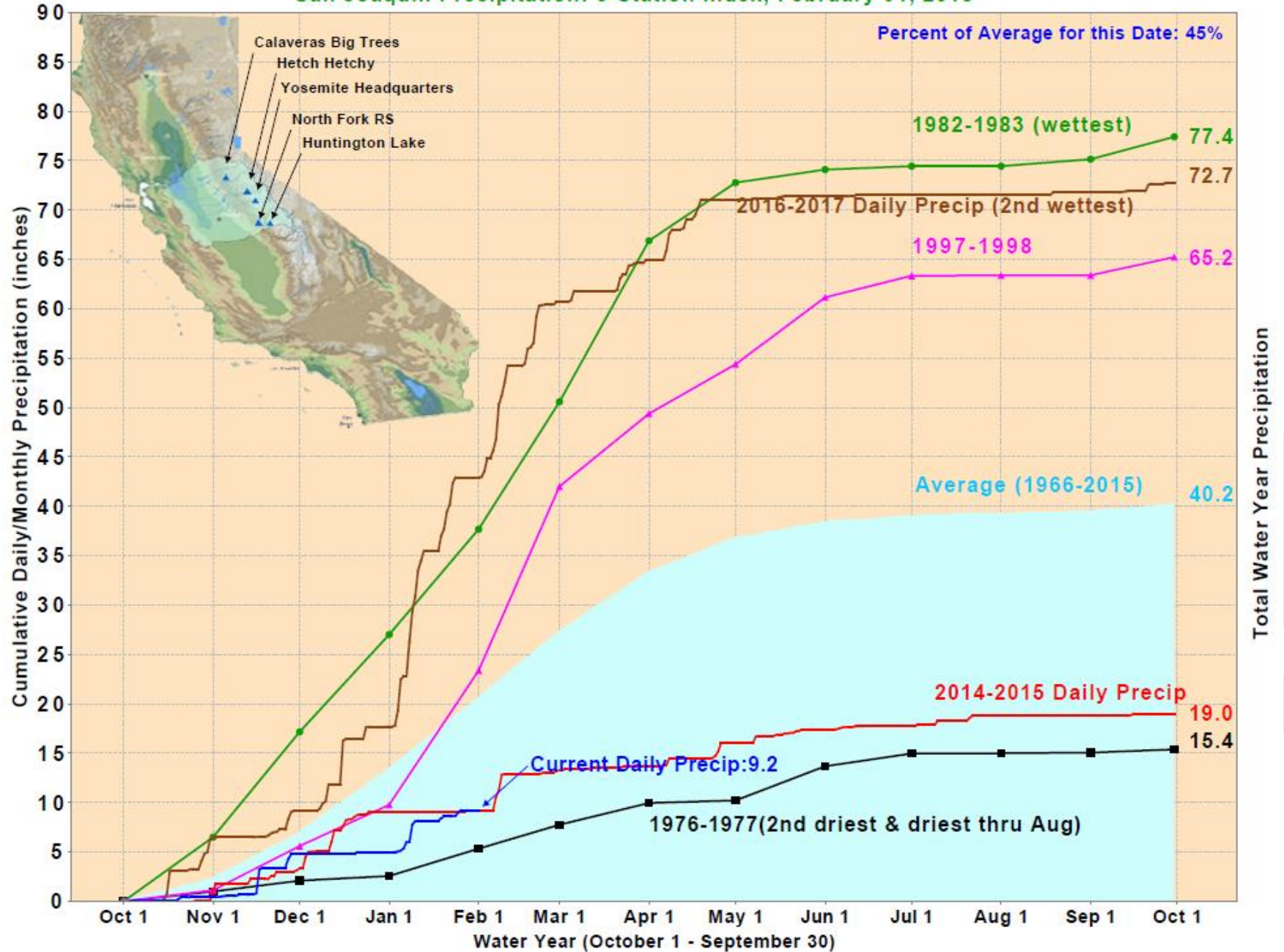


FEBRUARY 6, 2018 – ITEM #7

North Sierra Precipitation: 8-Station Index, February 01, 2018

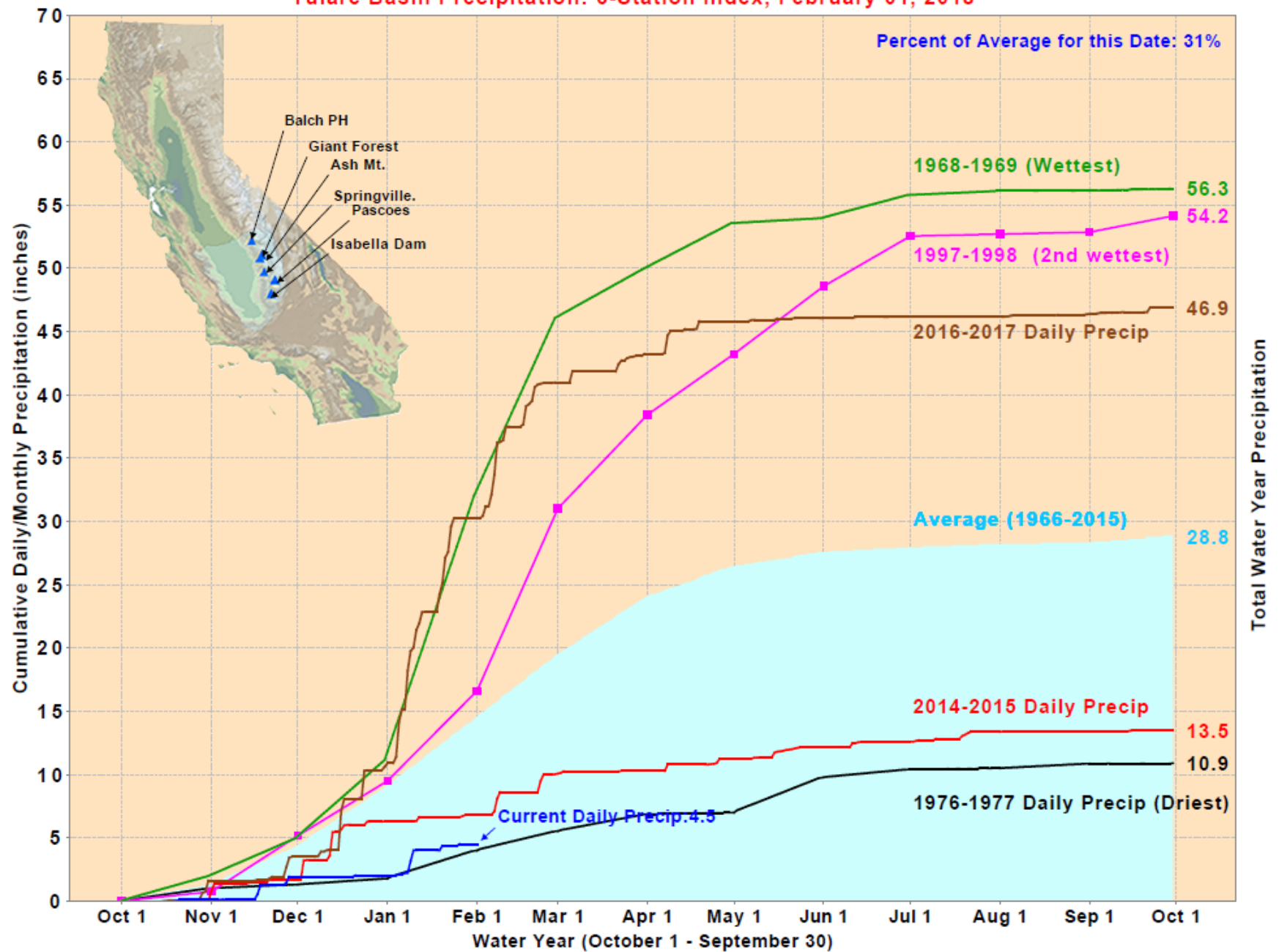


San Joaquin Precipitation: 5-Station Index, February 01, 2018

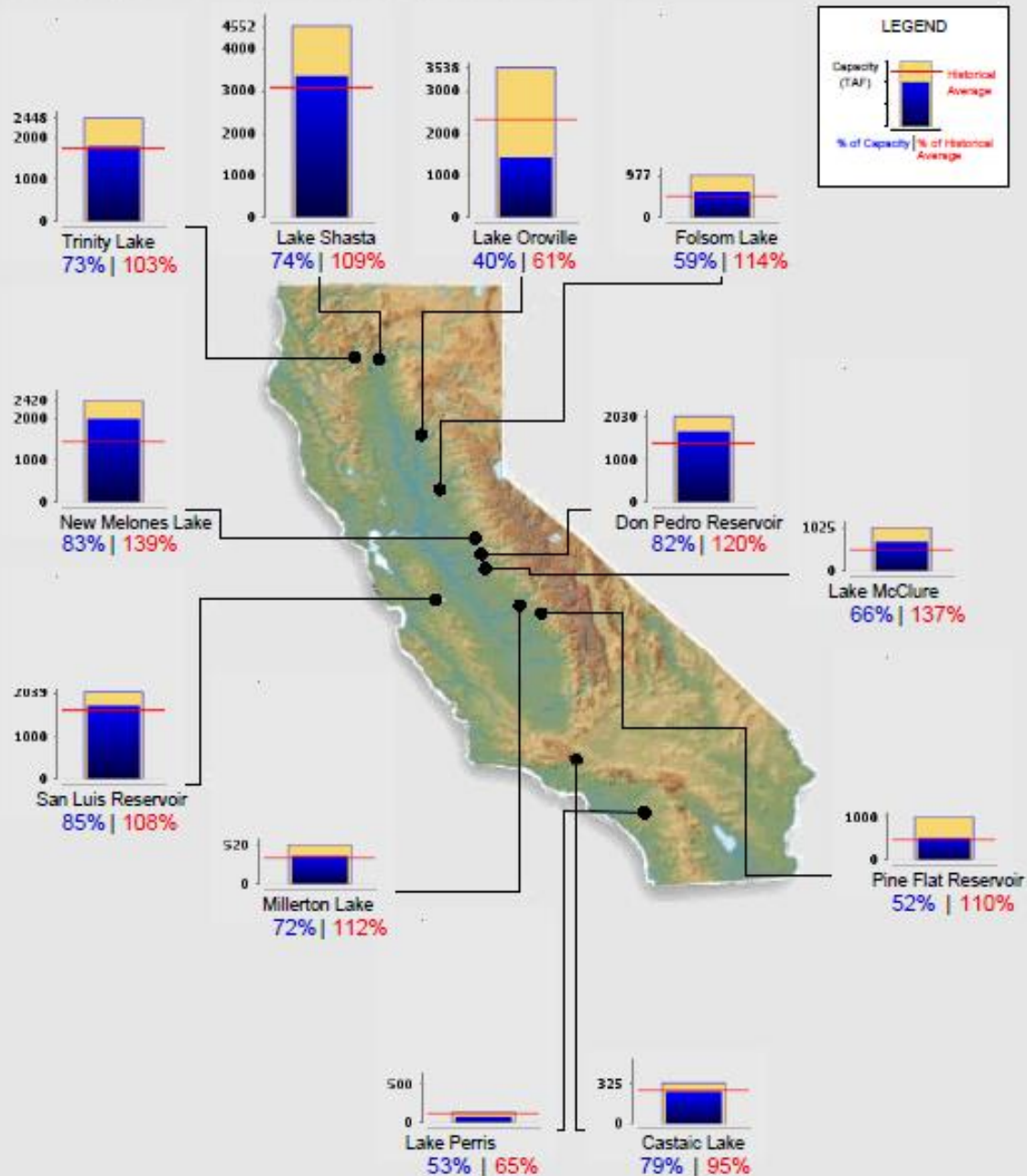


Total Water Year Precipitation

Tulare Basin Precipitation: 6-Station Index, February 01, 2018



CURRENT RESERVOIR CONDITIONS



Graph Updated 02/02/2018 08:45 AM

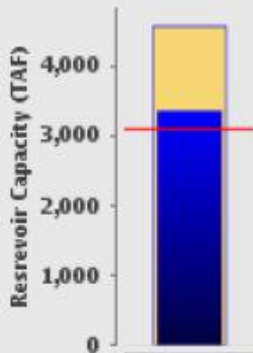


Reservoir Conditions - Lake Shasta



Lake Shasta Conditions

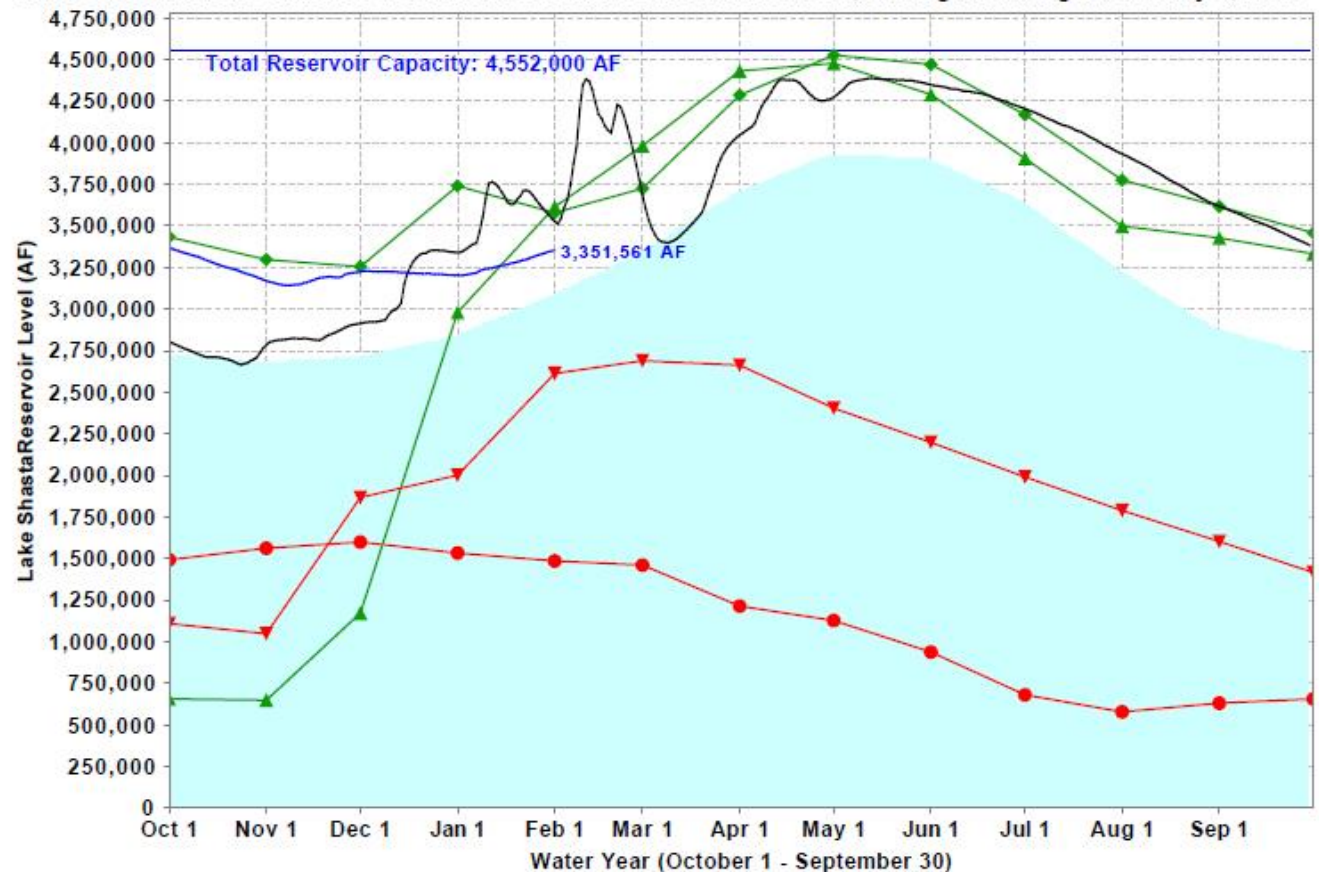
(as of Midnight - February 1, 2018)



Current Level: 3,351,561 AF

74% | 109%
(Total Capacity) (Historical Avg.)

Lake Shasta Levels: Various Past Water Years and Current Water Year, Ending At Midnight February 1, 2018

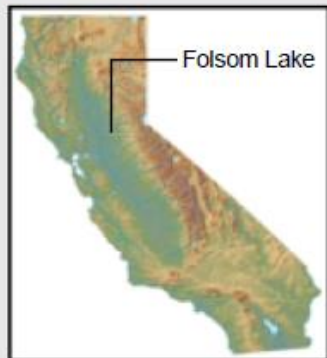


Historical Average — Total Reservoir Capacity — 1976-1977 (Driest) — 1977-1978 — 1982-1983 (Wettest)
— 2016-2017 — 2014-2015 — Current: 2017-2018

Data Updated 02/02/2018 07:15 AM

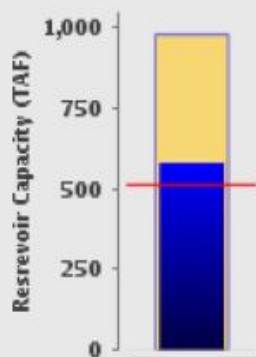


Reservoir Conditions - Folsom Lake



Folsom Lake Conditions

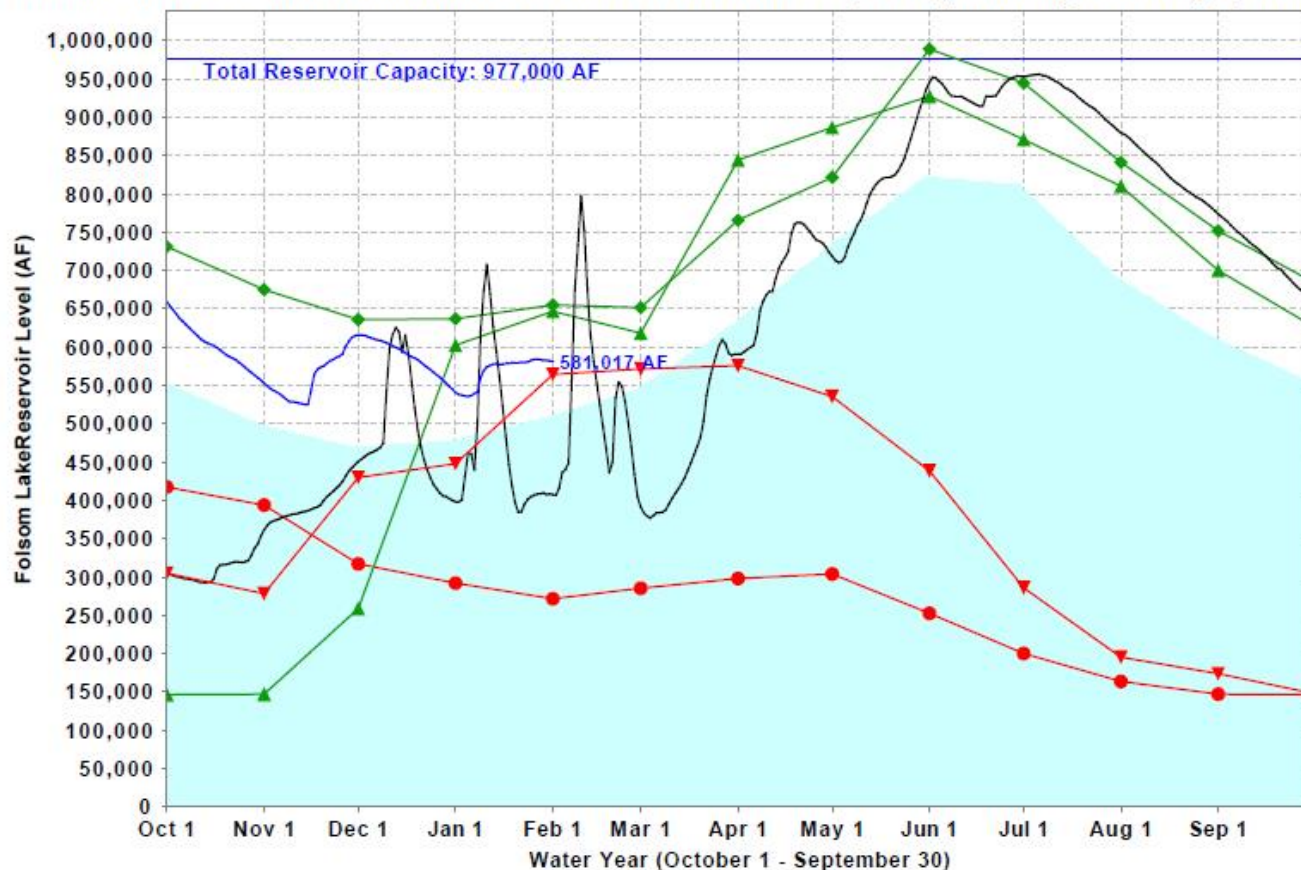
(as of Midnight - February 1, 2018)



Current Level: 581,017 AF

59% | 114%
(Total Capacity) (Historical Avg.)

Folsom Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight February 1, 2018



■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (Driest)
 ▲ 1977-1978
 ◆ 1982-1983 (Wettest)
 — 2016-2017
 ▼ 2014-2015
 — Current: 2017-2018

Data Updated 02/02/2018 07:45 AM

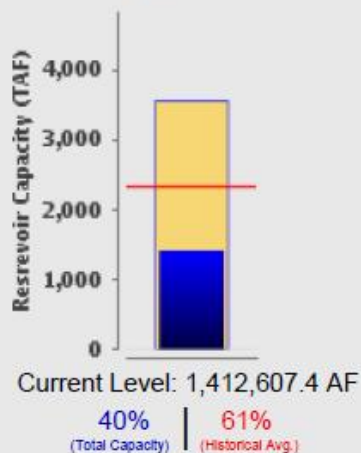


Reservoir Conditions - Lake Oroville

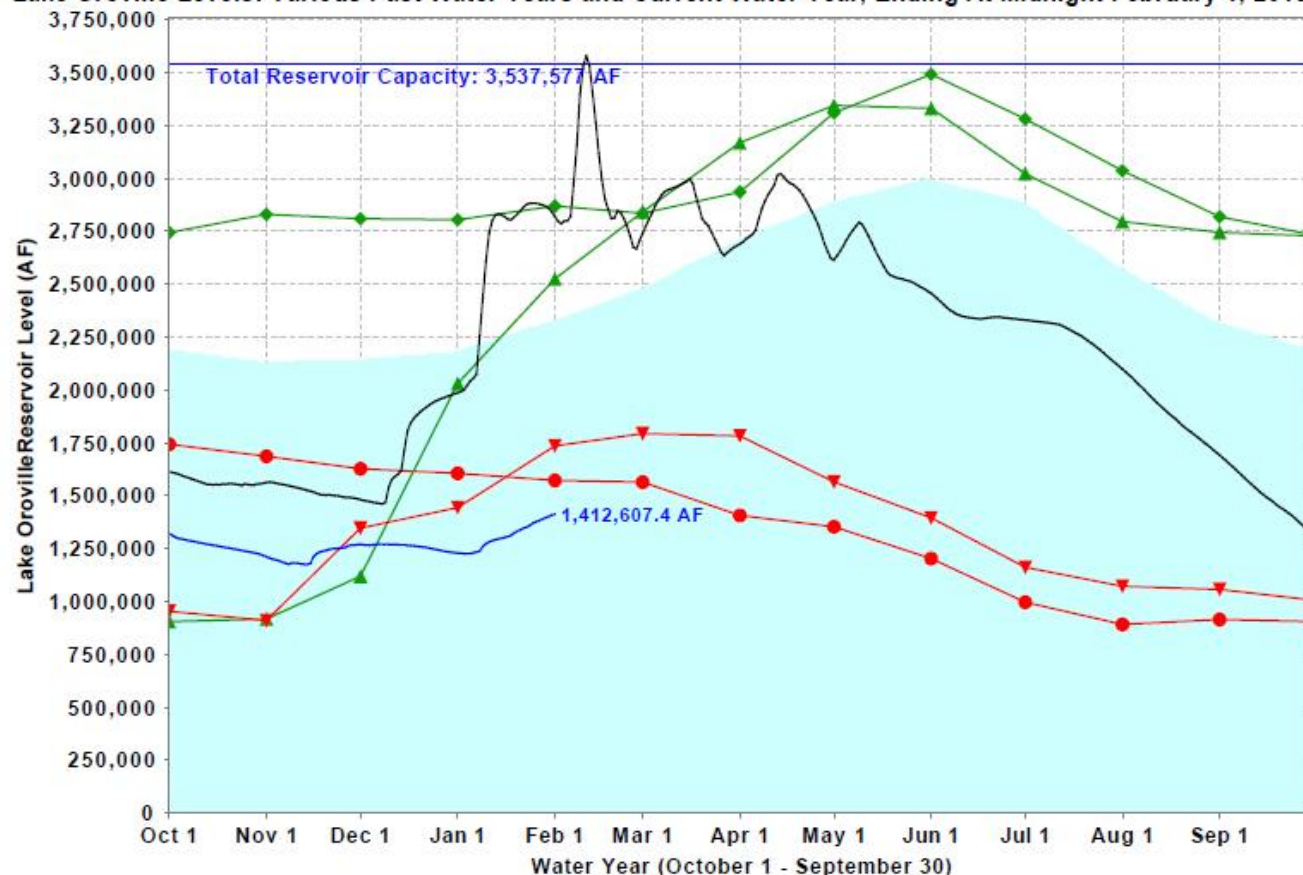


Lake Oroville Conditions

(as of Midnight - February 1, 2018)



Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight February 1, 2018



Historical Average — Total Reservoir Capacity — 1976-1977 (Driest) — 1977-1978 — 1982-1983 (Wettest)
— 2016-2017 — 2014-2015 — Current: 2017-2018

Data Updated 02/02/2018 07:45 AM

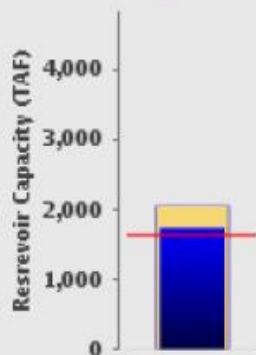


Reservoir Conditions - San Luis Res



San Luis Res Conditions

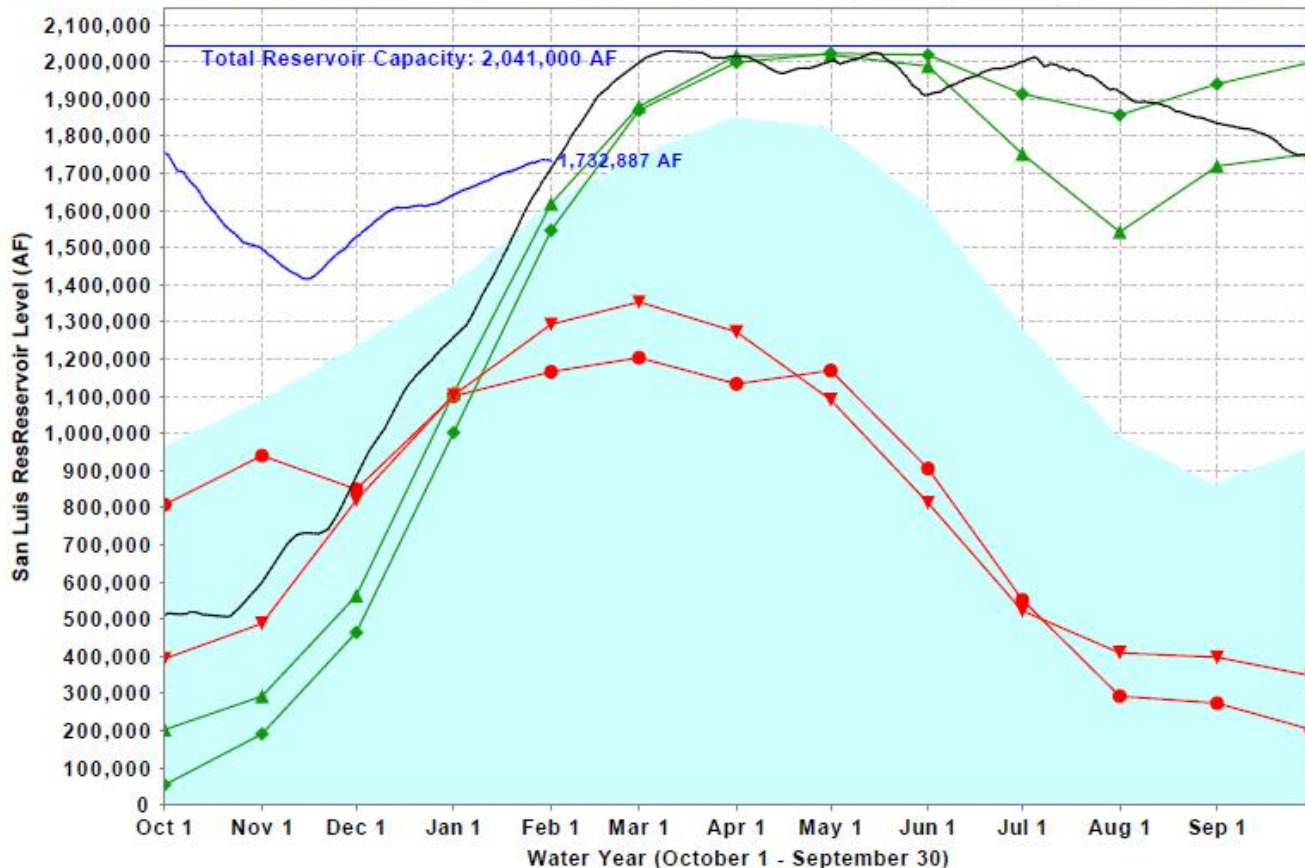
(as of Midnight - February 1, 2018)



Current Level: 1,732,887 AF

85% (Total Capacity) | 108% (Historical Avg.)

San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight February 1, 2018



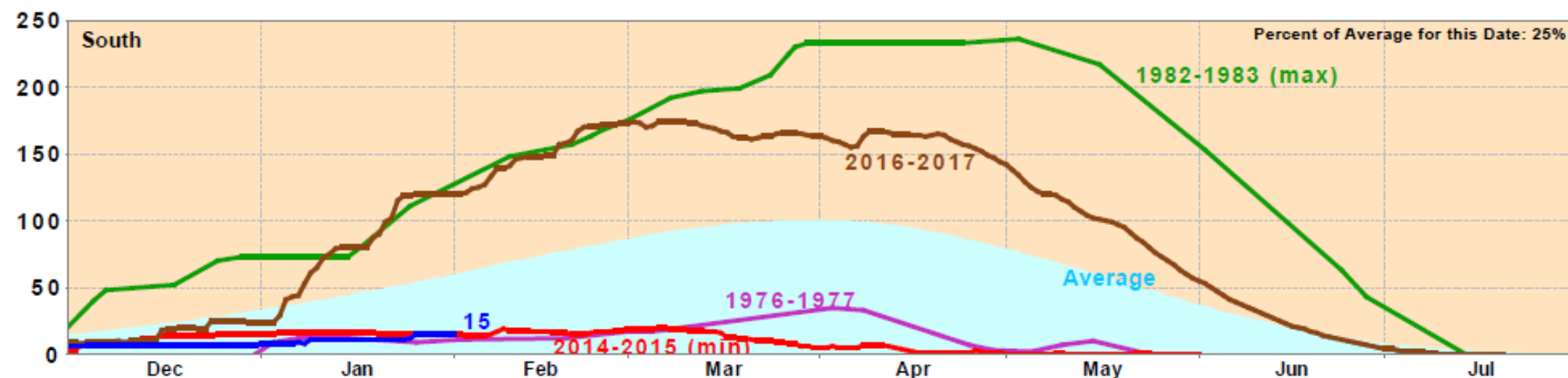
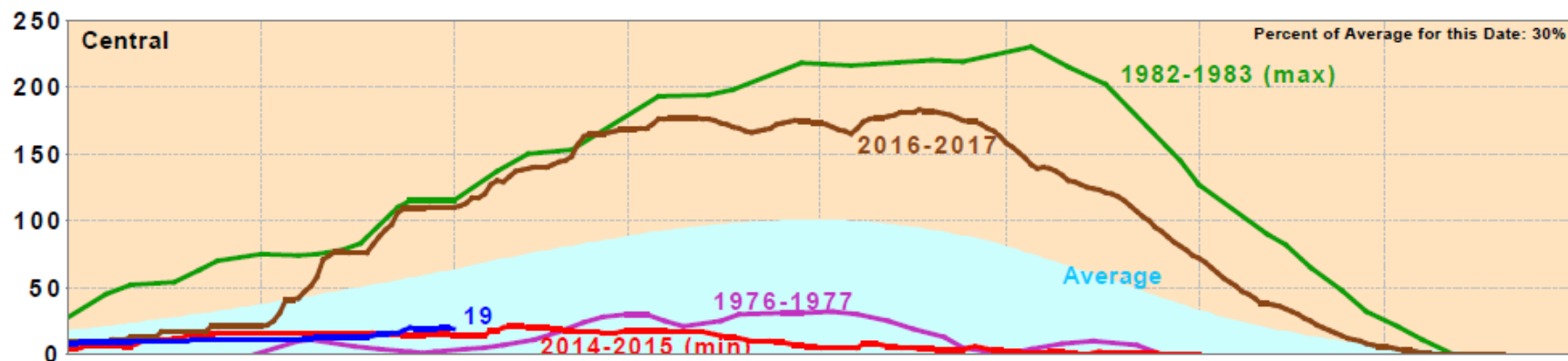
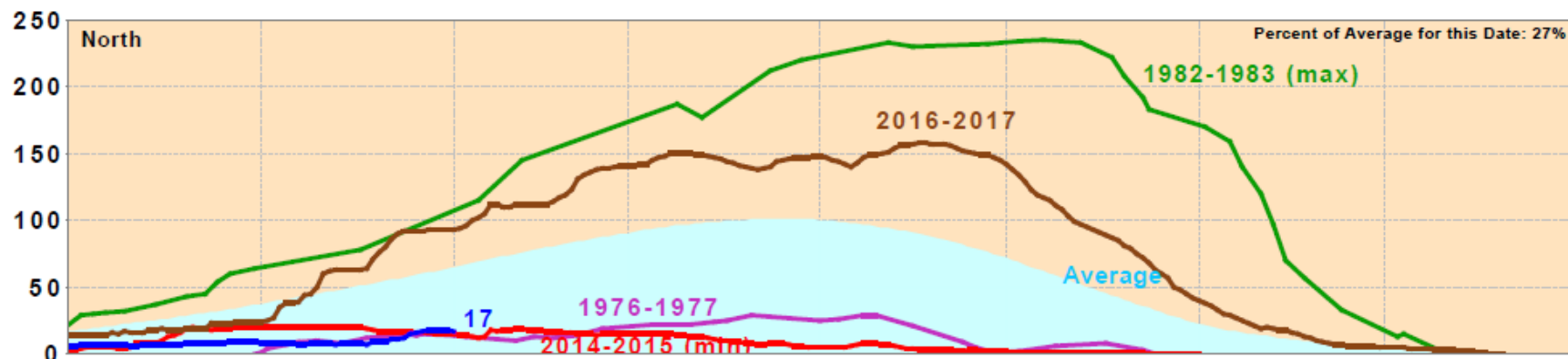
Historical Average — Total Reservoir Capacity — 1976-1977 — 1977-1978 — 1982-1983 (Wettest) — 2016-2017
— 2014-2015 (Driest) — Current: 2017-2018

Data Updated 02/02/2018 07:45 AM

Other Reservoirs

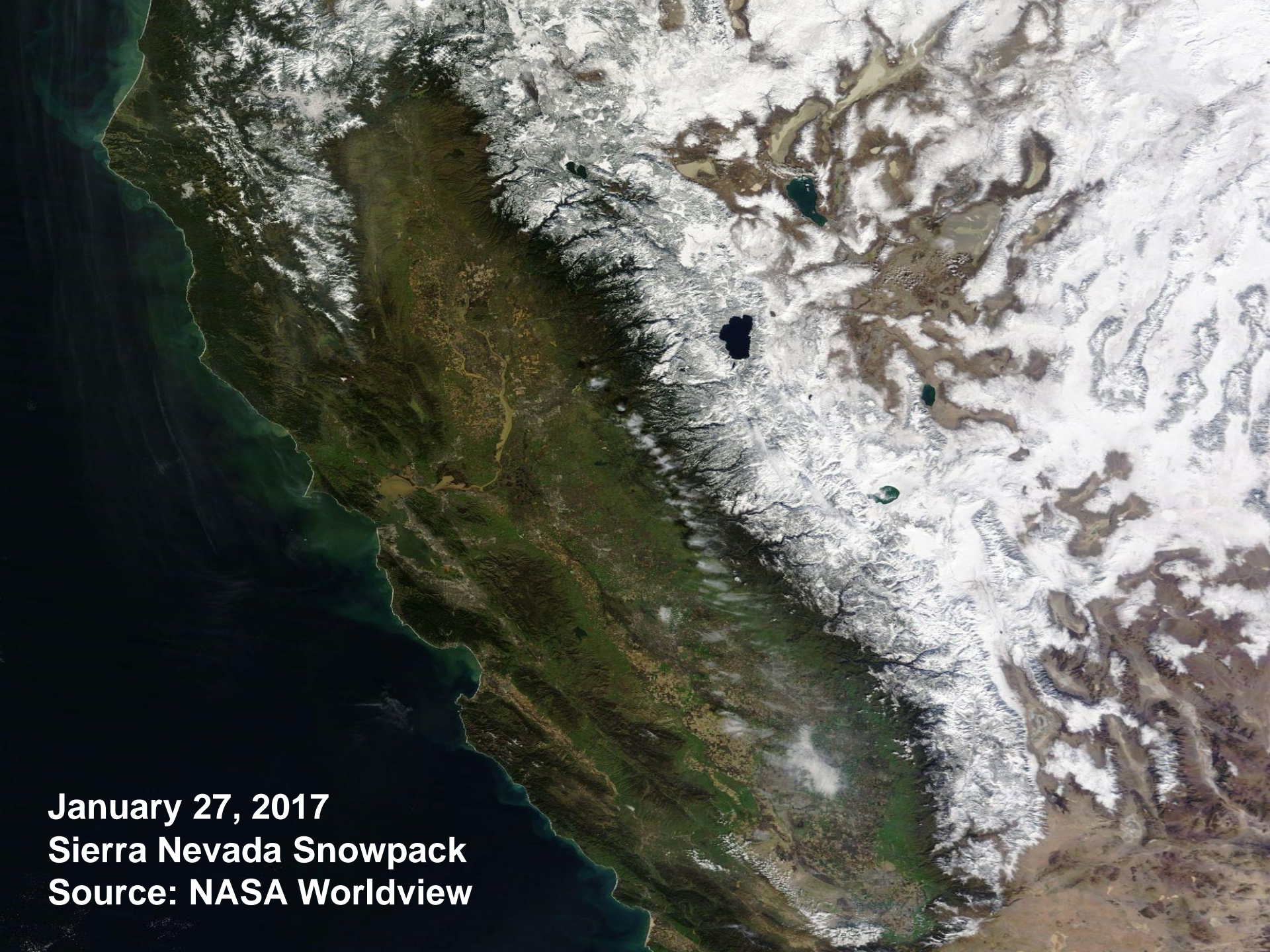
- **Cachuma Reservoir:** 75,400 acre-feet full out of 205,000 acre-foot capacity (37% of capacity and 48% of average)
- **Diamond Valley Lake:** 747,267 acre-feet full out of 810,000 acre-foot capacity (92% of capacity)

California Snow Water Content, February 1, 2018, Percent of April 1 Average



Statewide Percent of April 1: 17%

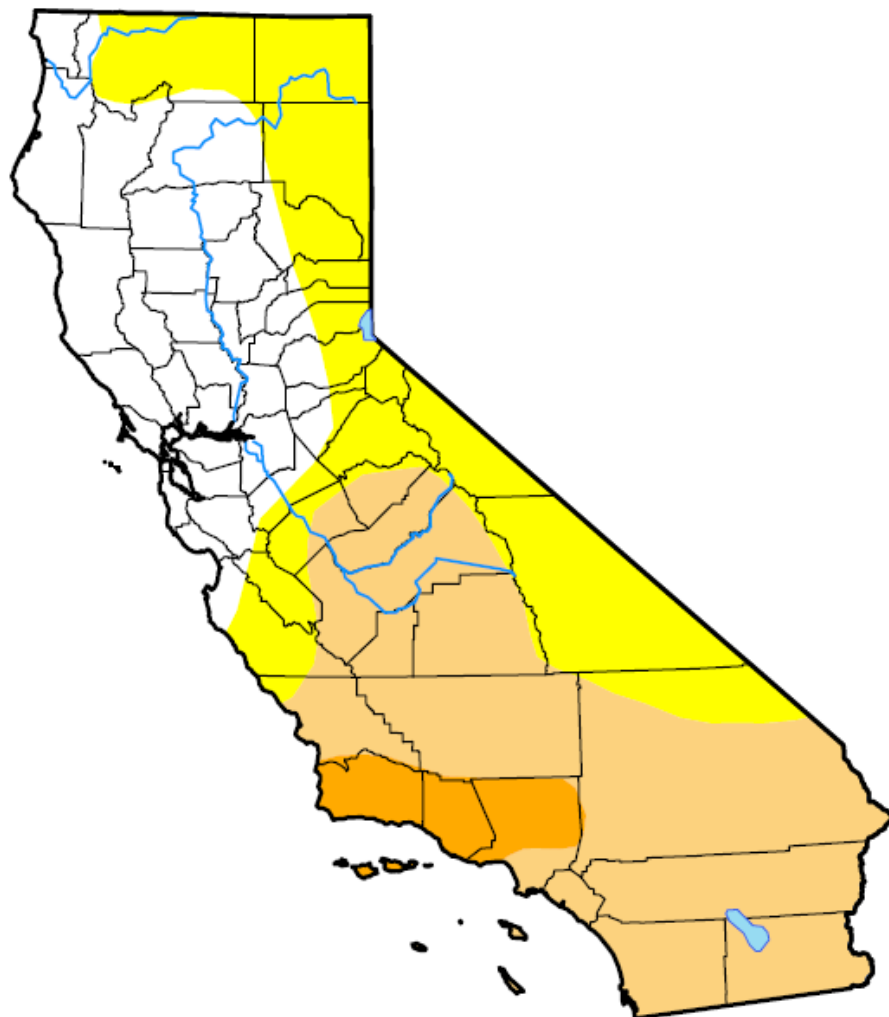
Statewide Percent of Average for Date: 27%



January 27, 2017
Sierra Nevada Snowpack
Source: NASA Worldview

U.S. Drought Monitor California

January 30, 2018
(Released Thursday, Feb. 1, 2018)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	26.67	73.33	43.72	4.92	0.00	0.00
Last Week <i>01-23-2018</i>	45.48	54.52	12.69	0.00	0.00	0.00
3 Months Ago <i>10-31-2017</i>	77.90	22.10	8.24	0.00	0.00	0.00
Start of Calendar Year <i>01-02-2018</i>	55.70	44.30	12.69	0.00	0.00	0.00
Start of Water Year <i>09-26-2017</i>	77.88	22.12	8.24	0.00	0.00	0.00
One Year Ago <i>01-31-2017</i>	38.98	61.02	50.80	20.30	1.87	0.00

Intensity:



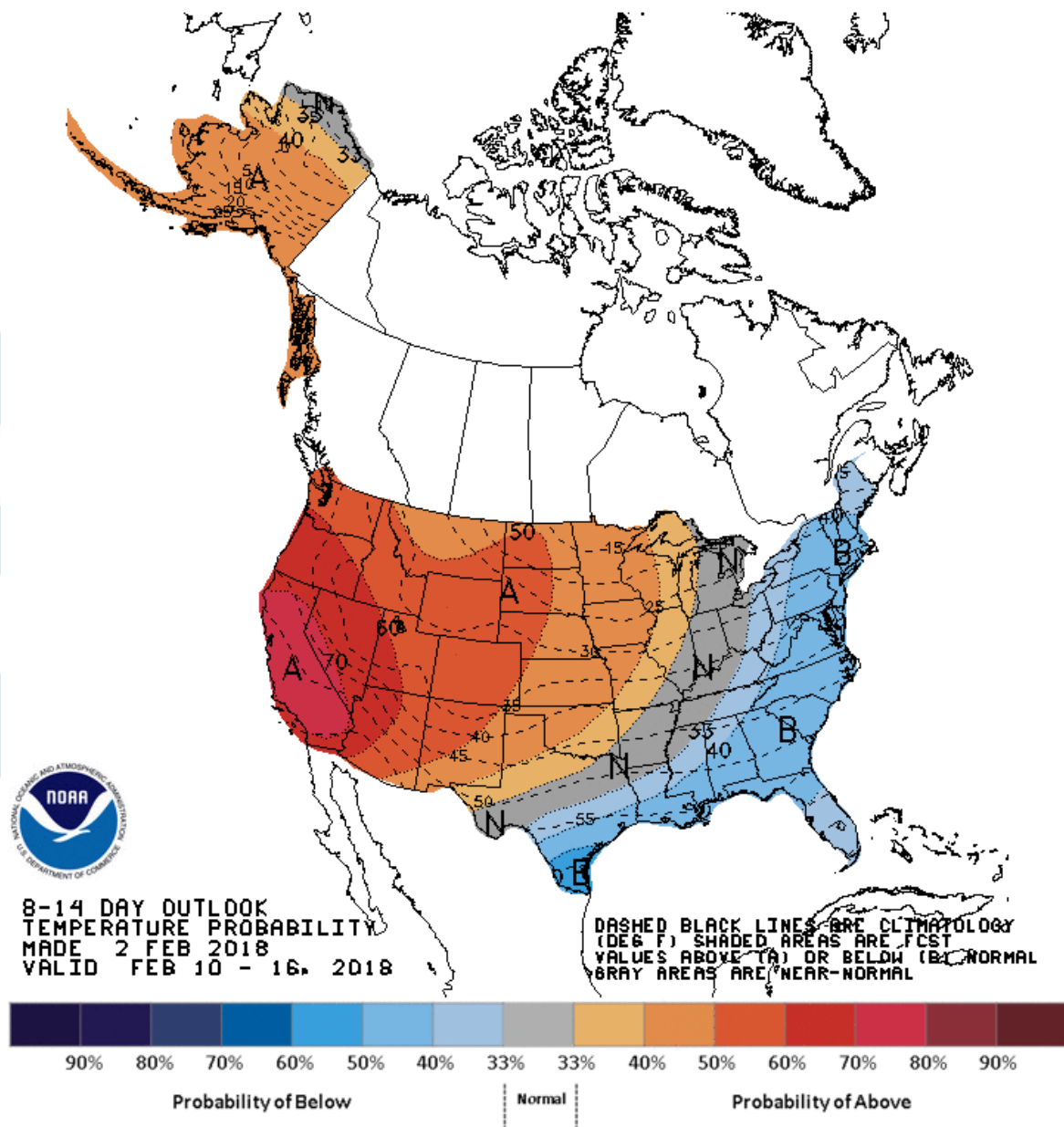
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

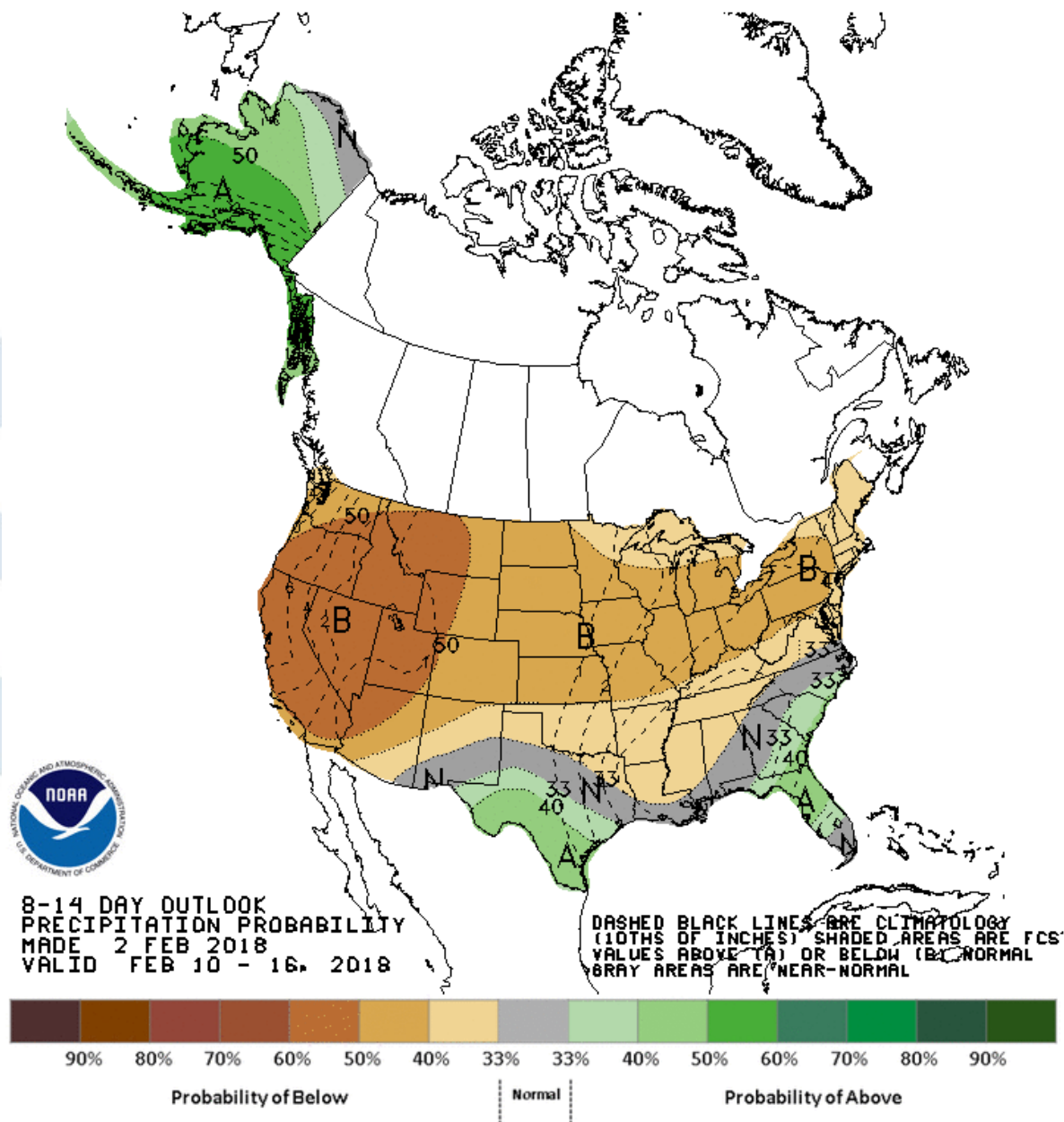
Author:

Richard Heim
NCEI/NOAA

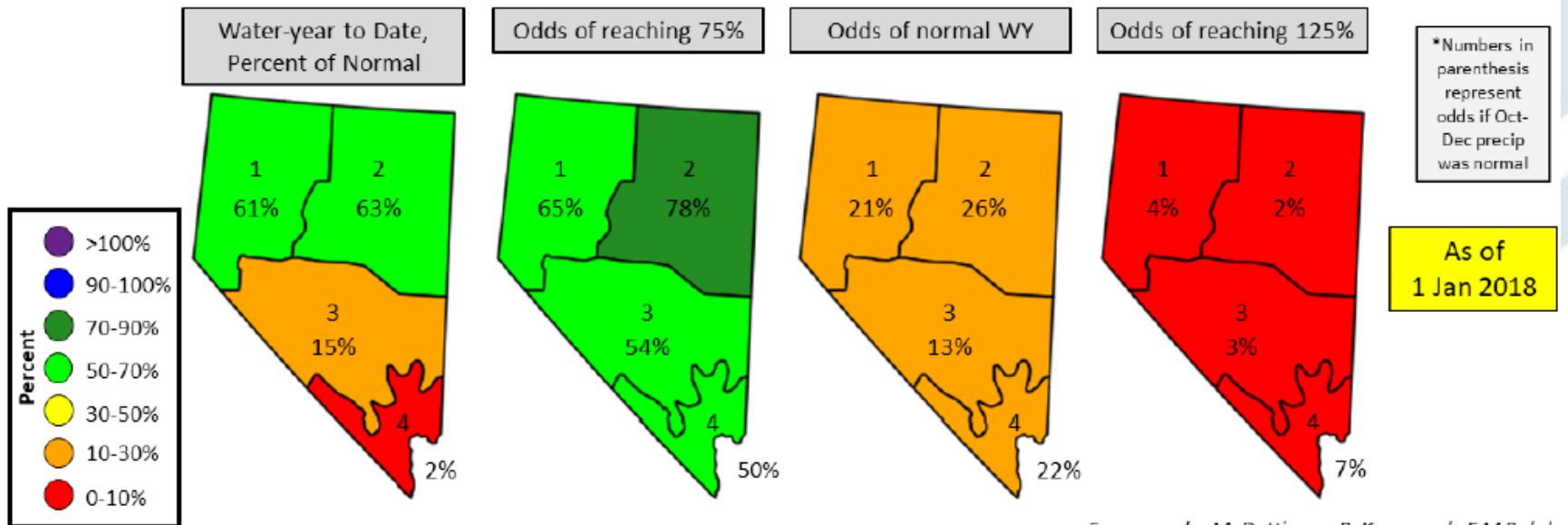
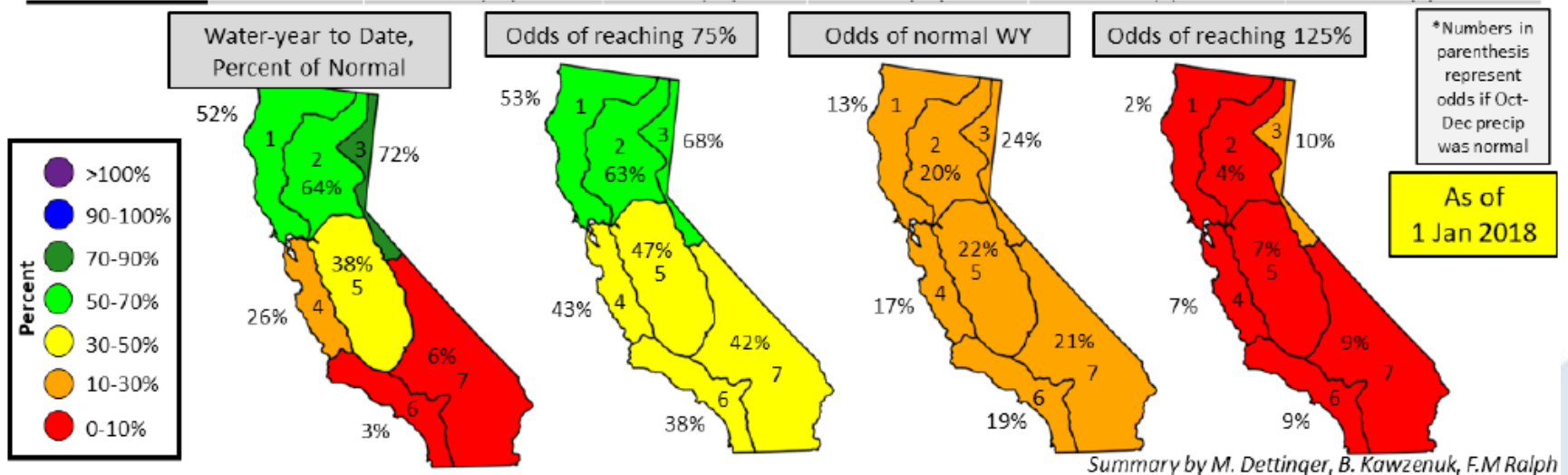


<http://droughtmonitor.unl.edu/>





What are our chances of reaching normal?





Questions?

Extra Slides

The slide features a white background with three thick, light blue wavy lines that sweep across the lower half of the frame. The lines are smooth and fluid, creating a sense of movement. The text 'Extra Slides' is centered in the upper half of the slide, rendered in a bold, dark blue font.

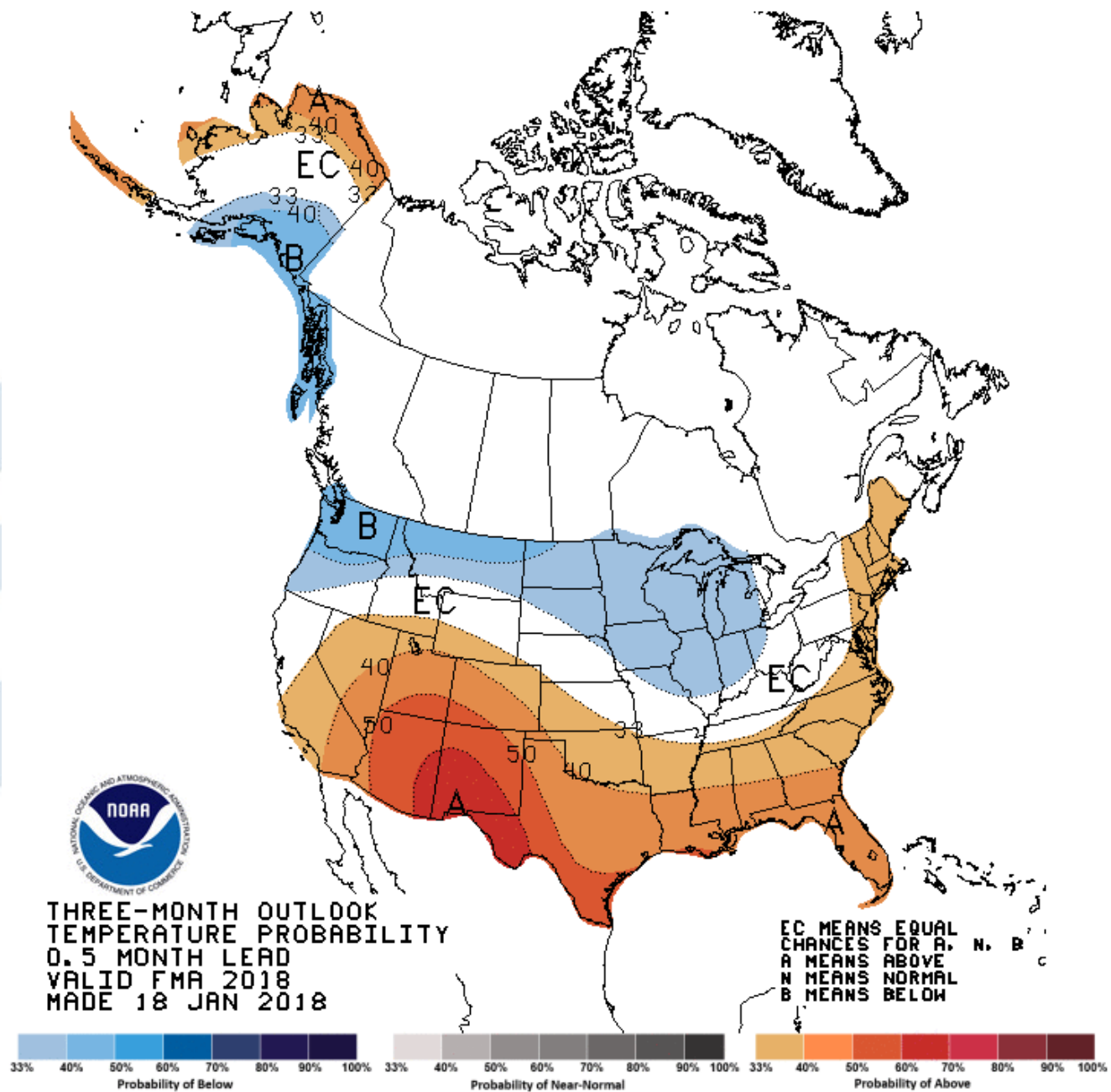
San Luis Reservoir

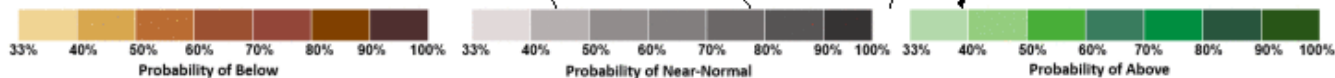
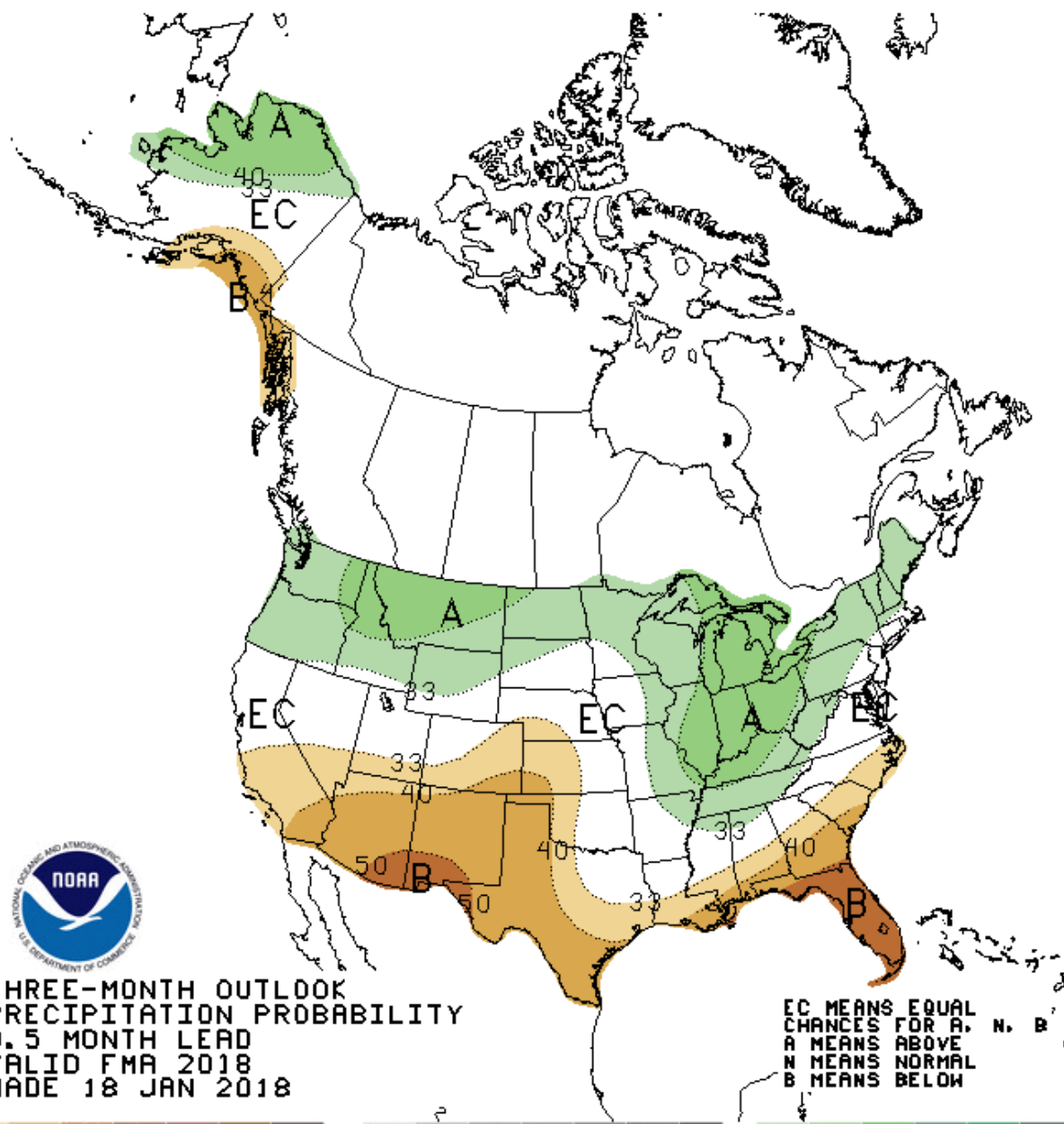
Total: 1,732,887 acre-feet full out of 2,041,000 acre-feet capacity (85% of capacity and 108% of average)

- **DWR:** 766,445 acre-feet full out of 1,062,180 acre-foot capacity (72% of operational capacity)
- **USBR:** 966,081 AF acre-feet full out of 965,655 acre-feet capacity (100 % of operational capacity)

El Niño/La Niña

As of January 11, 2018, the National Oceanic and Atmospheric Administration (NOAA) predicts an 85%-95% chance of La Niña conditions through Northern Hemisphere winter, with a transition to ENSO-neutral expected during the spring.

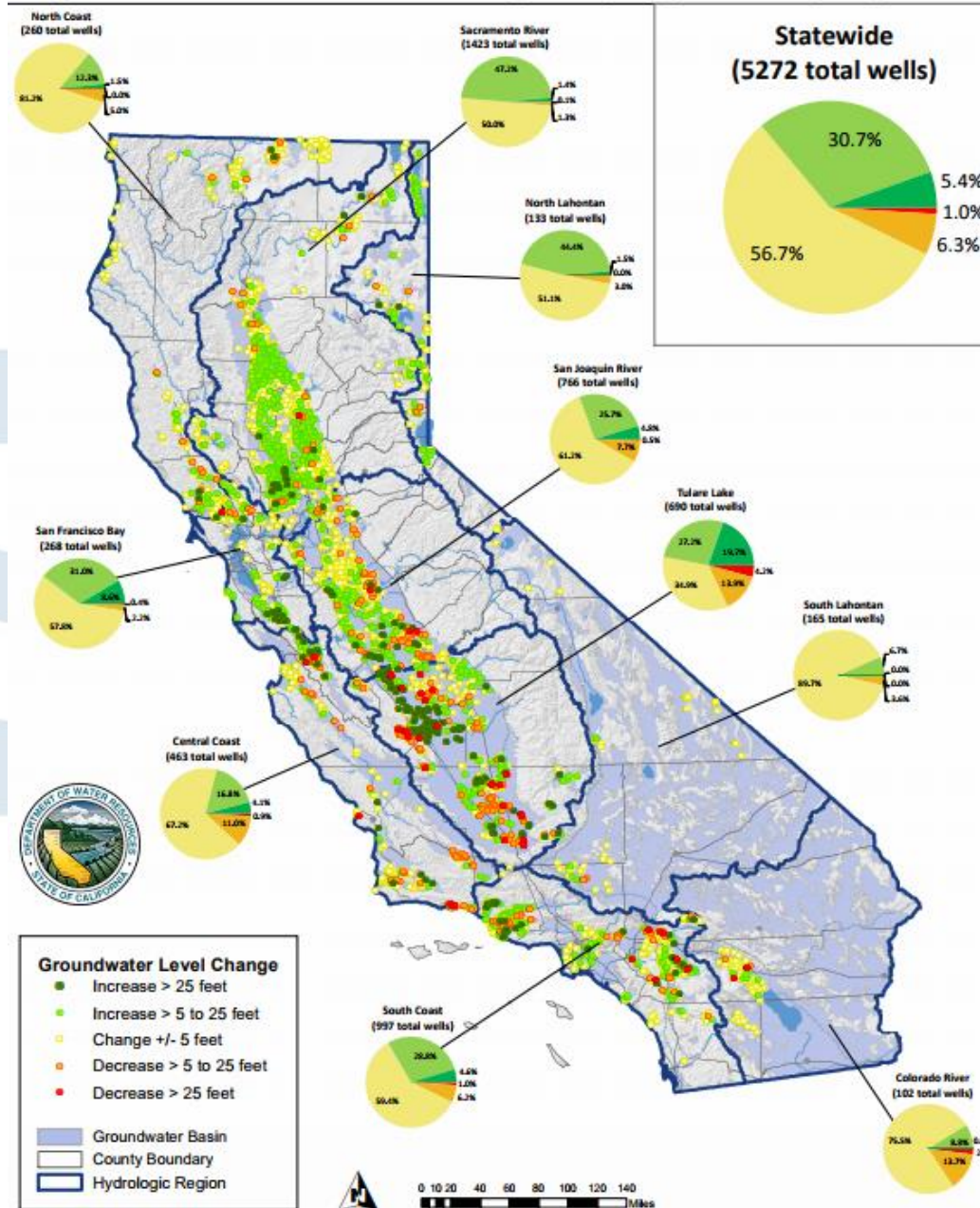




Groundwater

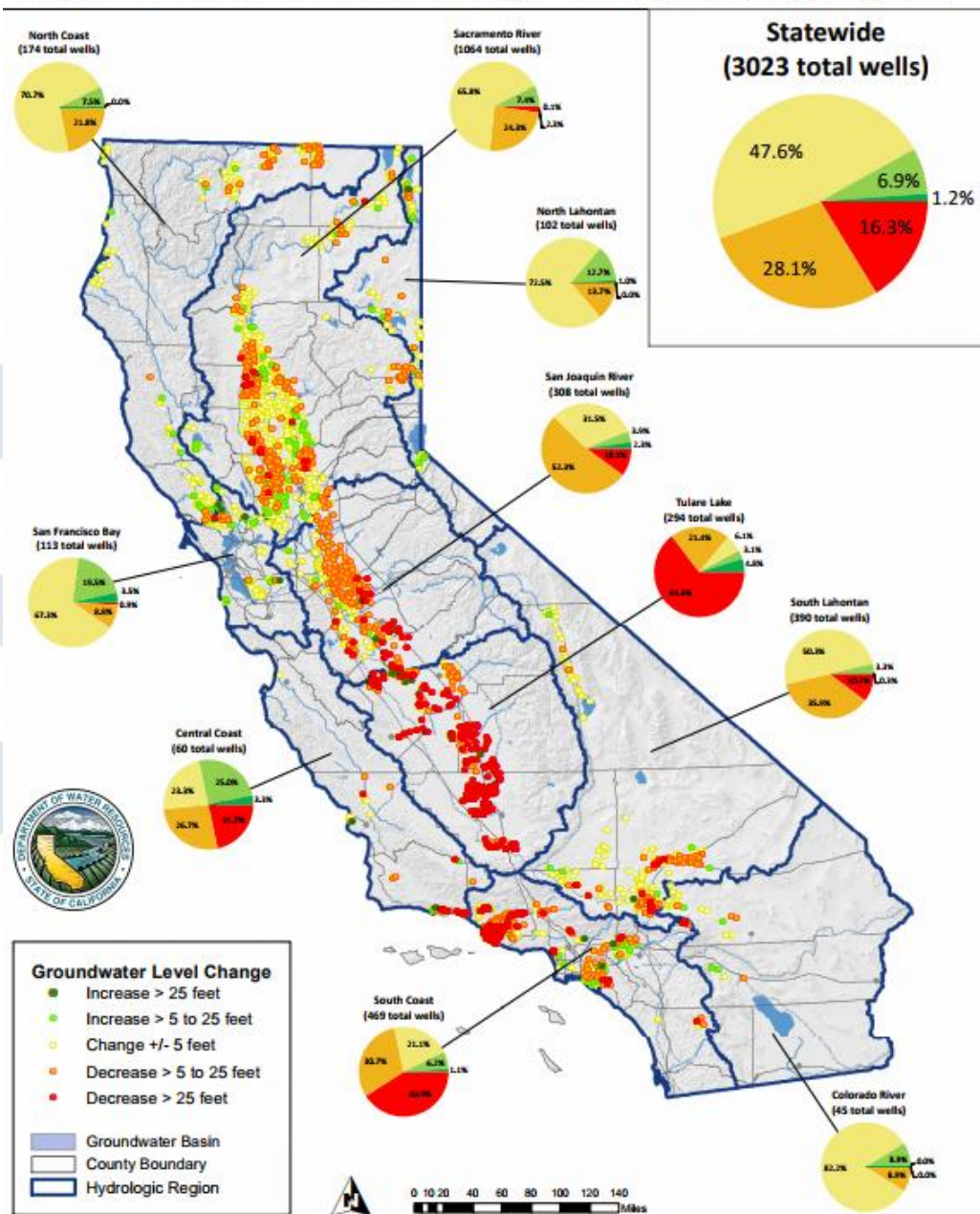
- DWR has updated groundwater data with information from Spring 2017

Figure 3. Groundwater Level Change* - Spring 2016 to Spring 2017



*Groundwater level change determined from water level measurements in wells. Map and chart based on available data from the DWR Water Data Library as of 07/11/2017. Document Name: PIEMAP_S1716_DROUGHT_25ft
Updated: 8/15/2017. Data subject to change without notice.

Figure 4. Groundwater Level Change* - Spring 2011 to Spring 2017



*Groundwater level change determined from water level measurements in wells. Map and chart based on available data from the DWR Water Data Library as of 07/11/2017. Document Name: PIEMAP_S1711_DROUGHT_25ft Updated: 9/28/2017. Data subject to change without notice.